

FIG.1
Prior Art

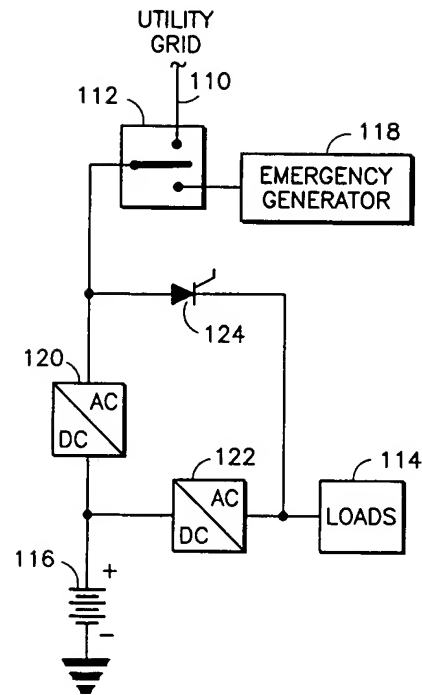
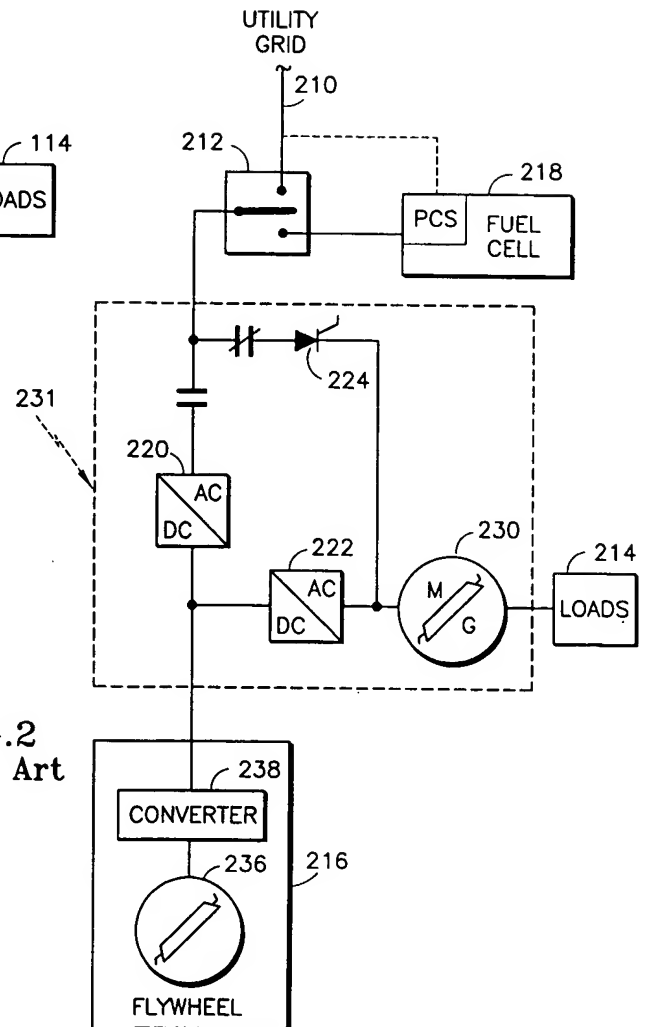
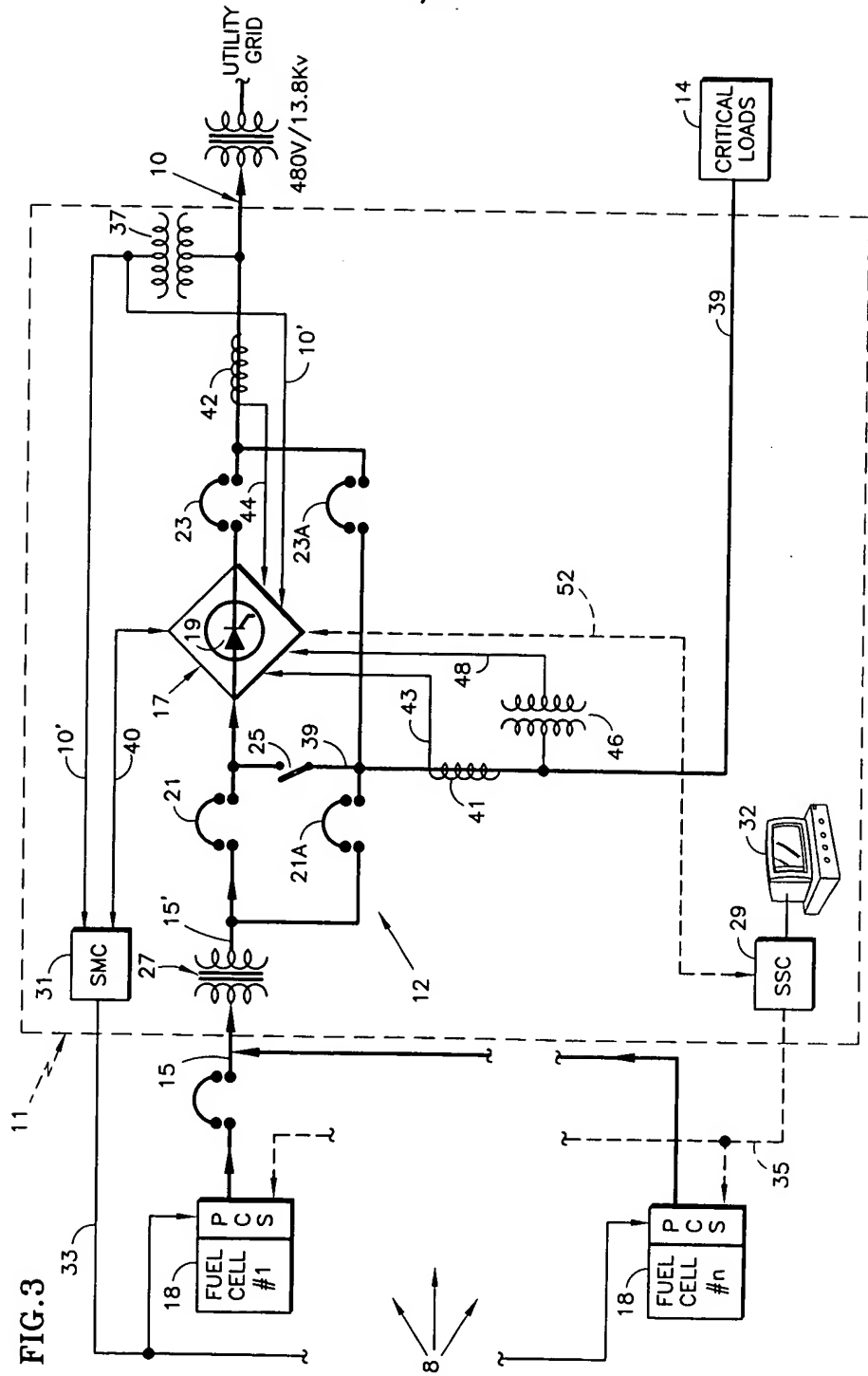
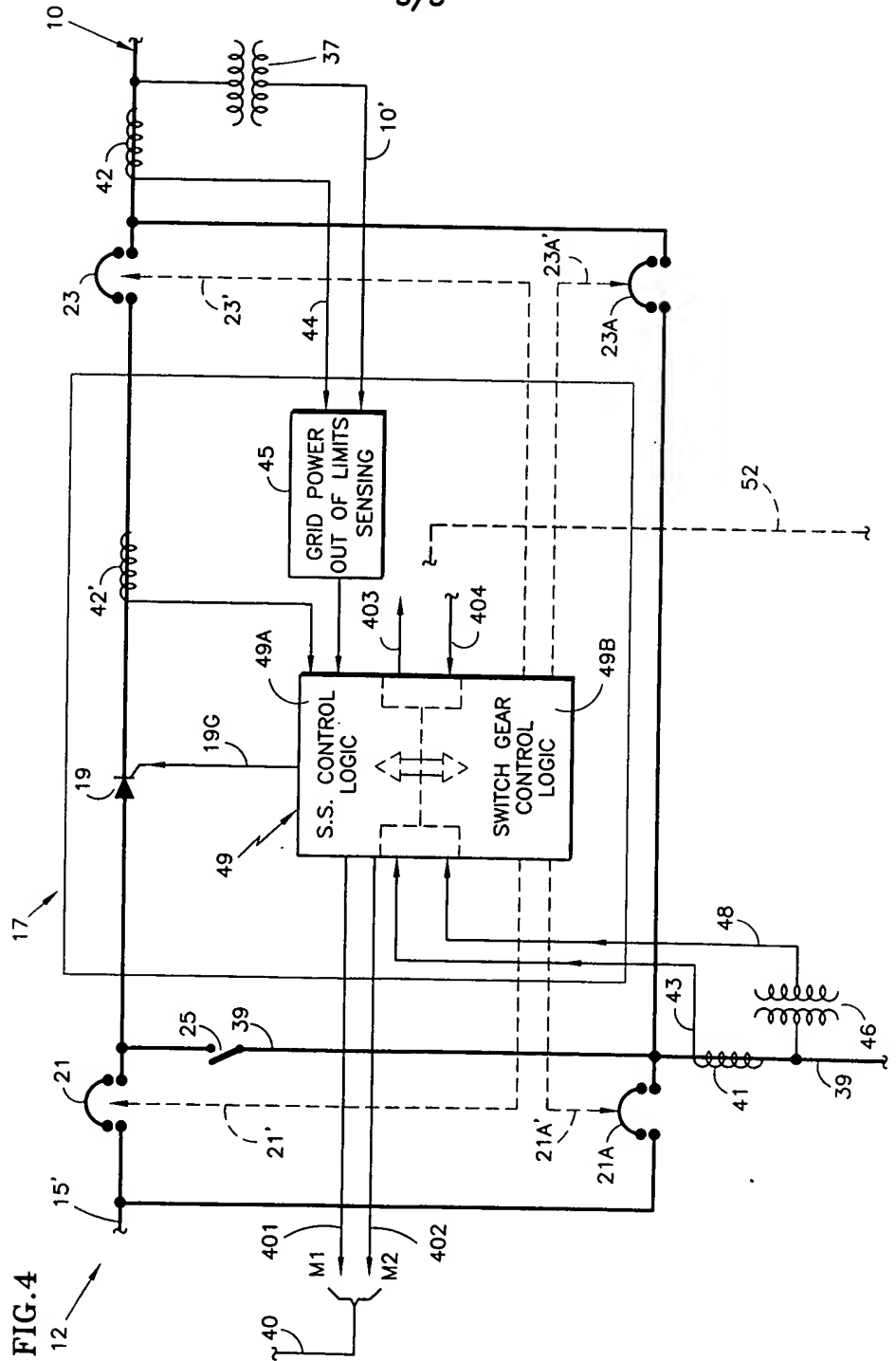


FIG.2
Prior Art







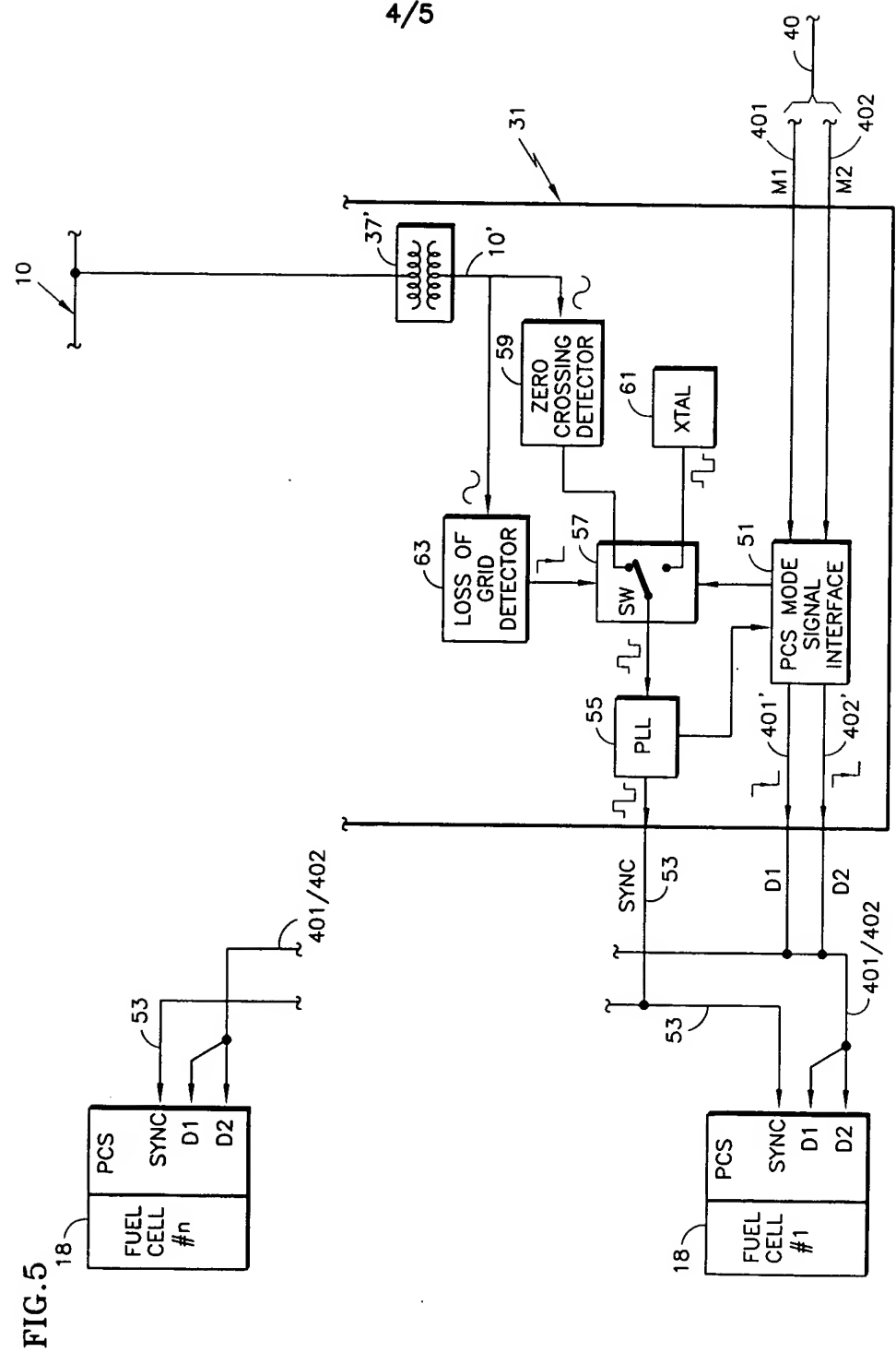


FIG. 5

FIG.6

MODE STATE TABLE

MODE OF OPERATION	SW 19 MODE SIGNAL		SW 19 STATUS	PCS GRID SENSING INTERFACE SIGNALS		PCS STATUS		COMMENTS
	M 1	M 2		D1	D2	GATES	SYNC. STATUS	
G/C	OFF	OFF	ON	OFF	OFF	ON	GRID	
G/C → G/I	OFF	ON	ON → OFF	OFF	ON	OFF	CHANGING	
G/I	ON	ON	OFF	ON	ON	ON	XTAL 61	
G/I → G/C	ON	OFF	OFF → ON	ON	OFF	OFF	CHANGING	SW 19 TURNS ON INDEPENDENT OF SYNC.
G/C	OFF	OFF	ON	OFF	OFF	ON	GRID	PCS TURNS ON WHEN SYNC. HAS CHANGED TO GRID